Amendments to the Claims

The listing of claims below will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-37. (canceled)

38. (original) A seating structure comprising:

a base;

a seat supported by the base;

an electrical conduit electrically coupled to a power source; and

an automatic tilt adjustment mechanism coupled to the electrical conduit and configured to receive electricity from the power source, wherein the automatic tilt adjustment mechanism comprises:

an actuator;

a biasing member mechanically coupled to the actuator, wherein the biasing member biases the seat;

a microprocessor electrically coupled to the actuator; and

a transducer electrically coupled to the microprocessor; wherein

the transducer detects an angle of inclination of the seat; and

the actuator adjusts the biasing member to achieve a default position for the seat.

39. (original) The invention of claim 38 further comprising a backrest connected to at least one of the seat and the base, wherein the biasing member biases at least one of the seat and the backrest, the transducer detects at least one of the angle of inclination of the seat and an angle of inclination of the backrest, and the actuator adjusts the biasing member to achieve a default position for at least one of the seat and the backrest.

40. (original) The invention of claim 38 wherein the power source is selected from the group consisting of a battery and a fuel cell.

41. (original) The invention of claim 40 wherein the power source comprises a fuel cell.

42. (original) The invention of claim 38 wherein the biasing member comprises a spring.

43. (original) The invention of claim 39 wherein the actuator adjusts the biasing member to achieve at least one of the default position of the seat and the default position of the backrest upon detecting a user sitting in the chair.

44. (original) The invention of claim 39 wherein the actuator adjusts the biasing member to achieve at least one of the default position of the seat and the default position of the backrest upon detecting a user rising from the chair.

45. (original) A seating structure comprising:

a base and a seat supported by the base;

an electrical conduit electrically coupled to a power source; and

an automatic tilt adjustment mechanism coupled to the electrical conduit and configured to receive electricity from the power source, wherein the automatic tilt adjustment mechanism comprises:

a motor;

a spring coupled to the motor, wherein the spring biases the seat;

a microprocessor electrically coupled to the motor; and

a transducer electrically coupled to the microprocessor; wherein

the transducer detects an angle of inclination of the seat; and

the motor adjusts torque of the spring to achieve a default position for the seat.

46. (original) The invention of claim 45 further comprising a backrest connected to at least one of the seat and the base, wherein the spring biases at least one of the seat and the backrest, the transducer detects at least one of the angle of inclination of the seat and an angle of inclination of the backrest, and the motor adjusts torque of the spring to achieve a default position for at least one of the seat and the backrest.

47-121. (canceled)